L4 paragraph_id	req_key	rel	req_type	req_status	ver_method	ver_status	CCR	clarification	text
F-ANA-01070	12987	FPB ~~B~~	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The FOS shall be able to access EDOS Status Messages for analysis.
F-ANA-01080	12988	FPB ~~B~~	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The FOS shall be able to access EOSDIS Ground Station RF Terminal Status Messages for analysis.
F-ANA-04140	12992	FPB ~~B~~	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The FOS shall provide the capability to generate datasets from EDOS Status Messages.
F-ANA-04150	12993	FPB ~~B~~	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The FOS shall provide the capability to generate datasets from EOSDIS Ground Station RF Terminal Status Messages.
F-ANA-04530	12991	B	functional	approved	test	unverified			The FOS shall provide the capability to generate a Spacecraft Contact Session (SCS~~CSC~~) Summary Report upon user request.
F-ANA-07500	12994	FPB ~~B~~	functional	approved	test	unverified		The EDOS failure is determined by evaluating the contents of the EDOS Status Message which is received from EDOS approximately every 5 seconds. Functionality to be delivered post-Release B.	The FOS shall compute and store the UTC for each data outage which was a result of an EDOS failure.
F-ANA-07510	12995	FPB ~~B~~	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The FOS shall compute and store the total elapsed time for each data outage which was a result of an EDOS failure.
F-ANA-07520	12996	FPB ~~B~~	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The FOS shall compute and store the total time for all data outages within each real time contact resulting from EDOS failures.

L4 paragraph_id	req_key	rel	req_type	req_status	ver_method	ver_status	CCR	clarification	text
F-ANA-07530	12997	FPB ~~B~~	functional	approved	test	unverified		The EOSDIS Ground Station RF Terminal failure is determined by evaluating the contents of the EOSDIS Ground Station RF Terminal Status Message which is received from the EOSDIS Ground Station Management Facility. During a spacecraft contact, only the data from the active ground station is evaluated. Functionality to be delivered post-Release B.	The FOS shall compute and store the UTC for each data outage which was a result of an EOSDIS Ground Station RF Terminal failure.
F-ANA-07540	12998	FPB ~~B~~	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The FOS shall compute and store the total elapsed time for each data outage which was a result of an EOSDIS Ground Station RF Terminal failure.
F-ANA-07550	12999	FPB ~~B~~	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The FOS shall compute and store the total time for all data outages within each real time contact resulting from EOSDIS Ground Station RF Terminal failures.
F-CMD-01140	13000	FPB ~~B~~	interface	approved	test	unverified		The EDOS forward link processor will reside at the EOSDIS ground stations and therefore will require separate addressing from the EDOS facility at White Sands. Functionality to be delivered post-Release B.	The EOC shall be capable of transmitting commands to the EOS spacecraft using the EOSDIS ground stations.
F-DMS-00950	13001	FPB ~~B~~	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The EOC shall provide the capability to archive event messages received from EDOS.

L4 paragraph_id	req_key	rel	req_type	req_status	ver_method	ver_status	CCR	clarification	text
F-DMS-00960	13002	~~FPB~~ B	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The EOC shall provide the capability to retrieve archived EDOS event messages.
F-DMS-01021	13003	B	functional	approved	test	unverified			The EOC shall be capable of retrieving the following data files from the FOS archive. a. View period information for backup Ground Stations. b. (deleted)~~Spacecraft contact schedules.~~ c. Spacecraft Contact <u>S</u>~~s~~ession (SCS) Summary Report.
F-DMS-01022	13004	~~FPB~~ B	functional	approved	test	unverified		This requirement will be implemented post-Release B.	The EOC shall be capable of retrieving the following data files from the FOS archive. a. View period information for EOSDIS Ground Stations. b. EOSDIS Ground Station Acquisition data. <u>c. Spacecraft contact schedules.</u>
F-DMS-01285	13005	~~FPB~~ B	interface	approved	test	unverified		Functionality to be delivered post-Release B.	The FOS shall provide the capability to receive event messages from EDOS.
F-DMS-01295	13006	~~FPB~~ B	functional	approved	test	unverified		Functionality to be delivered post-Release B.	The FOS shall provide the capability to designate a type of event message as an EDOS event message.
F-DMS-01410	13007	~~FPB~~ B	interface	approved	test	unverified			The EOC shall provide the capability to send <u>spacecraft contact schedules</u> ~~a Spacecraft Contact Session (SCS) Summary Report~~ to EDOS.
F-DMS-01430	13009	~~FPB~~ B	functional	approved	test	unverified			The EOC shall provide the capability to append an EDOS header to files transmitted to EDOS.

L4 paragraph_id	req_key	rel	req_type	req_status	ver_method	ver_status	CCR	clarification	text
F-DMS-01460	13010	FPB ~~B~~	interface	approved	test	unverified		The EOC will provide Spacecraft contact schedules and FDF-generated acquisition data to the EOSDIS Ground Stations. Functionality to be delivered post-Release B.	The EOC shall provide the capability to send files to the EOSDIS Ground Stations.
F-FOS-00017	13011	FPB ~~B~~	interface	approved	test	unverified		Functionality to be delivered post-Release B.	The EOC shall use and support the EOSDIS Ground Stations, via the EDOS/EBnet interface, to obtain routine forward link (S-band) and return link (S-band and X-band) support.
F-FOS-00321	13012	FPB ~~B~~	interface	approved	test	unverified		This requirement will be implemented post-Release B.	The EOC shall use EBnet for data communications with EOSDIS Ground Stations.
F-FOS-00327	13013	FPB ~~B~~	interface	approved	test	unverified		This requirement will be implemented post-Release B.	The EOC shall receive acquisition data from the FDF for EOSDIS Ground Stations.
F-FUI-02926	13015	FPB ~~B~~	functional	approved	demo	unverified		This requirement will be implemented post-Release B. This is related to EOSDIS Ground Station and EDOS status messages.	The FOS shall provide a routine report template for a data outage report.
F-PAS-10440	13018	FPB ~~B~~	functional	approved	demo	unverified		This requirement will be implemented post-Release B.	The EOC shall provide the capability to schedule EOSDIS Ground Stations communication for routine S-band and X-band contacts.
F-PAS-10441	13019	FPB ~~B~~	interface	approved	test	unverified		This requirement will be implemented post-Release B. DMS has responsibility for this requirement.	The EOC shall provide the capability to receive EOSDIS Ground Stations' view periods from the FDF.

L4 paragraph_id	req_key	rel	req_type	req_status	ver_method	ver_status	CCR	clarification	text
F-PAS-10442	13020	FPB ~~B~~	interface	approved	test	unverified		This requirement will be implemented post-Release B. DMS has responsibility for this requirement.	The EOC shall provide the capability to receive availability schedules from the EOSDIS Ground Stations.
F-TLM-02217	13022	FPB ~~B~~	functional	approved	test	unverified		High level status information will be provided by EDOS on a periodic basis, nominally every 5 seconds. This requirement will be implemented post-Release B.	The EOC shall be capable of receiving and processing EDOS Status messages.
F-TLM-02218	13023	FPB ~~B~~	functional	approved	test	unverified		High level status information will be provided by the EOSDIS Ground Stations on a periodic basis, nominally every 5 seconds. This requirement will be implemented post-Release B.	The EOC shall be capable of receiving and processing EOSDIS Ground Station Status messages.
F-TLM-02280	13024	FPB ~~B~~	functional	approved	demo	unverified		This requirement will be implemented post-Release B.	The FOS shall be capable of replaying stored EDOS Status messages based upon a user specified time period.
F-TLM-02281	13025	FPB ~~B~~	functional	approved	demo	unverified		This requirement will be implemented post-Release B.	The FOS shall be capable of replaying stored EOSDIS Ground Station Status messages based upon a user specified time period.
F-TLM-02285	13026	FPB ~~B~~	functional	approved	demo	unverified		This requirement will be implemented post-Release B.	The FOS shall process all stored EDOS Status messages for the requested period, during the replay operation.
F-TLM-02286	13027	FPB ~~B~~	functional	approved	demo	unverified		This requirement will be implemented post-Release B.	The FOS shall process all stored EOSDIS Ground Station Status messages for the requested period, during the replay operation.

L4 paragraph_id	req_key	rel	req_type	req_status	ver_method	ver_status	CCR	clarification	text
F-TLM-02290	13028	FPB ~~B~~	performance	approved	analysis	unverified		This requirement is derived from the fact that the FOS must be able to analyze twenty-four (24) hours of stored telemetry data within two (2) hours. This capability is used for off-line batch processing and when the immediate display of information is not necessary or desired (i.e., gathering statistics on a particular parameter over several weeks of stored telemetry data). This requirement will be implemented post-Release B.	The FOS shall be capable of processing stored EDOS Status messages for analysis at twelve (12) times the real-time rate.
F-TLM-02291	13029	FPB ~~B~~	performance	approved	analysis	unverified		This requirement is derived from the fact that the FOS must be able to analyze twenty-four (24) hours of stored telemetry data within two (2) hours. This capability is used for off-line batch processing and when the immediate display of information is not necessary or desired (i.e. gathering statistics on a particular parameter over several weeks of stored telemetry data). This requirement will be implemented post-Release B.	The FOS shall be capable of processing stored EOSDIS Ground Station Status messages for analysis at twelve (12) times the real-time rate.

L4 paragraph_id	req_key	rel	req_type	req_status	ver_method	ver_status	CCR	clarification	text
F-TLM-02295	13030	FPB ~~B~~	performance	approved	analysis	unverified		This requirement permits the rapid replay and display of stored data, and may be useful during contact simulations. This requirement will be implemented post-Release B.	The FOS shall be capable of processing stored EDOS Status messages for display at rates up to three (3) times the real-time rate.
F-TLM-02296	13031	FPB ~~B~~	performance	approved	analysis	unverified		This requirement permits the rapid replay and display of stored data, and may be useful during contact simulations. This requirement will be implemented post-Release B.	The FOS shall be capable of processing stored EOSDIS Ground Station Status messages for display at rates up to three (3) times the real-time rate.
F-TLM-02298	13032	FPB ~~B~~	functional	approved	demo	unverified		This requirement will be implemented post-Release B.	The FOS shall be able to replay and process the EDOS Status messages at the real-time or at a user specified rate.
F-TLM-02299	13033	FPB ~~B~~	functional	approved	demo	unverified		This requirement will be implemented post-Release B. Refer to F-TLM-02296 for "user-specified rate". This requirement will be implemented post-Release B.	The FOS shall be able to replay and process the EOSDIS Ground Station Status messages at the real-time or at a user specified rate.

Note: the above new requirement were added in CCR 97-0518 (FOS Release B Adaptive Downlink Requirements" which was submitted and approved before the baseline but was not implemented).

L4 id	req_key	rel	req_type	req_status	ver_method	ver_status	CCR	clarification	text
F-FUI-07311	12954	FPB ~~B~~	functional	approved	analysis	unverified		This requirement will be implemented Post Release B.	The FOS shall allow the user to plot data from different times and/or different data sources on a three dimensional graph.

Note: the above new requirement F-FUI-07311 was added in CCR 97-0459A (which was submitted and approved but was not implemented).

L4 id	req_key	rel	req_type	req_status	ver_method	ver_status	CCR	clarification	text
F-DMS-01110	2127	FPB ~~B~~	functional	approved	demo	unverified			The EOC shall provide the capability to send archived data to a designated SDPS.
F-DMS-01120	2128	FPB ~~B~~	functional	approved	demo	unverified			The EOC shall accept storage status, indicating the success or failure of the storage of the archived data, from the SDPS.
F-DMS-01130	2129	FPB ~~B~~	functional	approved	demo	unverified			The EOC shall maintain the archived data until the SDPS has notified the EOC of successful storage.
F-DMS-01140	2130	FPB ~~B~~	functional	approved	demo	unverified			The EOC shall provide the capability to retrieve FOS archive data from the SDPS.
F-DMS-01435	12088	FPB ~~B~~	functional	approved	test	unverified	97-0093		The FOS shall allow the operator to configure the EOC to set and unset the test flag in files sent to EDOS.
F-RMS-00010	1310	FPB ~~A~~	functional	approved	demo	unverified			The EOC shall support concurrent real-time operations for up to seven (7) spacecraft and their instruments.
F-PAS-00155	12964	FPB ~~B~~	interface	approved	demo	unverified			The FOS shall provide FDF orbit data to the ECS SDPS.
F-PAS-00930	1173	FPB ~~B~~	functional	approved	analysis	unverified			The FOS shall be able to model a nominal spacecraft attitude.
F-PAS-00935	1174	FPB ~~B~~	functional	approved	analysis	unverified			The FOS shall be able to model spacecraft attitude offsets.